

## Starheart

by Arya Akhavan (November 2015)

Angles for R.I. = 1.610

79 + 24 girdles = 103 facets

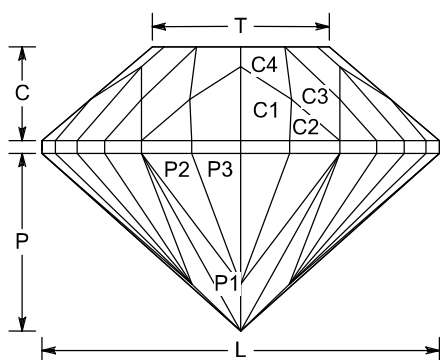
6-fold, mirror-image symmetry

96 index

$L/W = 1.053$   $T/W = 0.469$   $U/W = 0.469$

$P/W = 0.470$   $C/W = 0.248$

$Vol./W^3 = 0.273$



### PAVILION

P1	42.00°	06-10-22-26-38-42-54-58-70-74-86-90	Cut to centerpoint.
G1	90.00°	04-12-20-28-36-44-52-60-68-76-84-92	Set stone size.
P2	43.50°	04-12-20-28-36-44-52-60-68-76-84-92	Level girdle.
P3	44.64°	01-15-17-31-33-47-49-63-65-79-81-95	Meet P1, P2
G2	90.00°	01-15-17-31-33-47-49-63-65-79-81-95	Level girdle.

### CROWN

C1	45.00°	01-15-17-31-33-47-49-63-65-79-81-95	Set girdle width.
C2	46.19°	04-12-20-28-36-44-52-60-68-76-84-92	Level girdle.
C3	40.40°	08-24-40-56-72-88	Meet G1, C2
C4	38.16°	04-12-20-28-36-44-52-60-68-76-84-92	Meet C1, C2, C3
T	0.00°	Table	Meet C3, C4

While the girdle outline of this is derived from "Coruscating Dome 96", none of the rest of it is. The pavilion may be a bit tricky, but the crown is very easy, and the design itself sometimes has a bit of a Portuguese-style feel to it. Technically works in materials from quartz to CZ (RI = 1.54 - 2.16) with no changes, but I'd limit myself to 1.61 or higher. I'm planning to cut this in a yellow Djeva #131 synthetic spinel.

C:\Users\ARYADE~1\Pictures\Gems\DESIGN~1\WORKSI~1\Tests\TEST1~1.GEM